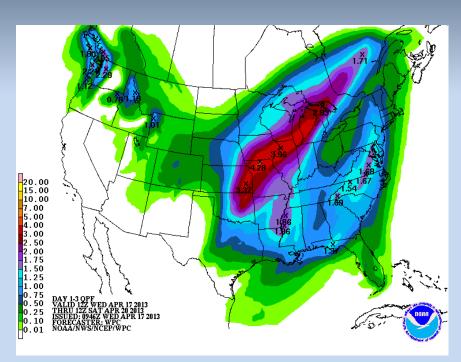


## Significant River Flooding Likely Severe Weather Possible



Slide #1



**Additional Rainfall Possible Through early Friday** 

### **Event Summary**

More Significant River Flooding
This Weekend and Next Week

More than 3 inches of additional Rain Possible through Friday

Severe Weather Possible Thursday

Created: Wednesday, April 17, 2013 - 100 PM



**NOAA National Weather Service - Grand Rapids, Michigan** 

Website: <a href="http://www.weather.gov/grandrapids">http://www.weather.gov/grandrapids</a>

Email: w-grr.webmaster@noaa.gov

Phone: 616-949-0643





## **Additional Rainfall**

**Through Early Friday** 



Slide #2

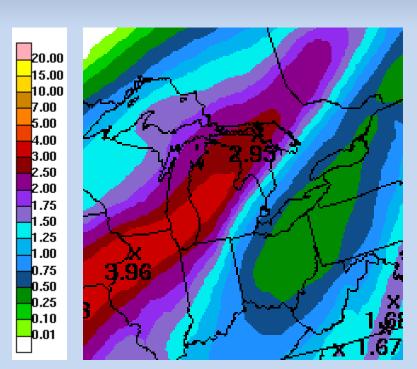
### **Rainfall Forecast**

Widespread 1" to 3" with up to 4" of Additional Rain Possible

Heaviest Rain Expected Thursday Into Thursday night

Urban Flooding and Road Washouts Will Be Possible

Heaviest Rain Could Shift North or South



**Additional Rainfall Possible Through Early Friday** 



weather.gov/grandrapids

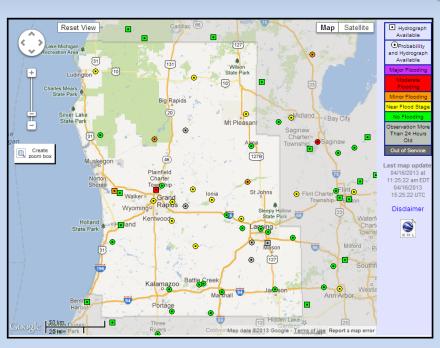


## **River Flooding Continues**



Slide #3

## River Flooding Into Next Week



**Click Above for Latest River Levels Flood Advisories and Flood Warning** 

Heavy Rain Could Cause Moderate to Major Flooding

Flooding Impacts to Occur Soon After Rain Falls

Greatest Impacts
Muskegon, Grand, White, Pere
Marquette, Chippewa, and Pine
Rivers







### **River Flooding Information**



Slide #4

Click Here For River Levels, Flood Advisories and Flood Warnings

#### **Major Flooding Typically Results in**

Significant to Catastrophic Life-Threatening Flooding Structures May Be Completely Submerged Large-Scale Evacuations May Be Needed

#### **Moderate Flooding Typically Results in**

Inundation of Some Buildings Likely Road Closures and Some Areas Cut Off Some Evacuations May Be Necessary

#### **Minor Flooding Typically Results in**

Limited Property Damage
Some Public Threat or Inconvenience

What	River Flooding to Continue Into Next Week
When	Streams/Creeks: Minor Flooding to Moderate Flooding into the Weekend
	Larger Rivers: Minor Flooding to Moderate Flooding Beginning this Weekend
Where	All of Southern Lower Michigan
	<ul> <li>Grand, Chippewa, Pine, Muskegon, White and Pere Marquette Rivers</li> </ul>
Forecast	High Confidence: Minor Flooding of Small Creeks and Streams Will Occur
Confidence	High Confidence: Minor Flooding of Some Larger Rivers Will Occur
	Medium Confidence: Moderate Flooding of Large Rivers Will Occur
	• Low Confidence: In Any Major Flooding of Large Rivers



## **Severe Weather Information**



What	Isolated severe thunderstorms
When	Beginning Thursday morning, becoming more widespread during afternoon and lasting into the night
Where	South of a Ludington to Houghton Lake line
Forecast Confidence	<ul> <li>High Confidence: Damaging winds &gt;=58 mph</li> <li>Medium Confidence: Large Hail &gt;= 1" diameter</li> <li>Low Confidence: Isolated Tornadoes</li> </ul>



# Severe Weather Potential Thursday, April 18th



Slide #5

#### Severe Weather Possible Thursday, April 18th



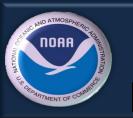
Click on the Image for the Most Current Severe Weather Outlooks for this Week Damaging Winds with Some Hail Isolated Tornadoes Possible Flash Flooding Possible

**Thursday into Early Evening** 

**Best Chance for Severe WeatherPotential**South of Ludington to Houghton Lake







## **Event Summary**



Slide #6

# Widespread 1" to 3" with up to 4" of Additional Rain Possible by Friday

**Moderate to Major River Flooding Possible** 

**Severe Weather Possible Thursday** 

Click Here For River Levels, Flood Advisories and Flood Warnings









## For Additional Information

WEATHER SER

Slide #7

Find us on

**Facebook** 

Links Below are Clickable in PDF File of the Briefing



www.weather.gov/grandrapids/webinars



#### **Rainfall Forecast By Day**

http://go.usa.gov/Tbwe

#### **Regional Weather Radar Loop**

www.weather.gov/radar

#### **Severe Weather Outlooks**

http://www.spc.noaa.gov

#### **Hazard Summary Page**

www.crh.noaa.gov/hazards/grr

**NOAA National Weather Service - Grand Rapids, Michigan** 

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